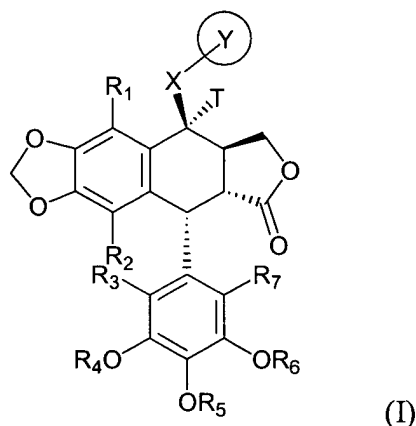


WHAT IS CLAIMED IS:

1. A compound of formula (I):



wherein

each of R_1 , R_2 , R_3 and R_7 independently is H or alkyl;

each of R_4 and R_6 independently is alkyl;

R_5 is H or $P(O)(OR_a)_2$, in which R_a is H or alkyl;

T is H, or together with X is =N;

X is a bond, O, S, or NR_b , in which R_b is H or alkyl; or together with T, is =N; and

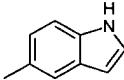
Y is 5-membered heteroaryl or heterocyclyl, optionally substituted with one or more of halogen, alkyl, cyclyl, aryl, heteroaryl, heterocyclyl, $-OR_c$, $-NR_cR_c'$, $-SR_c$, $-CN$, $-NO_2$, $-SO_2R_c$, $-C(O)OR_c$, $-C(O)NR_cR_c'$, $-NHC(O)R_c$, $-(CH_2)_qOPO_3H_2$,

$-CH_2C(O)NOR_c''$, and $(CH_2)_m-C(=O)-Z-(CH)_{n-1}-CH(R_9)-(CH_2)_p-R_8$; in which each of R_c and R_c' independently is H or alkyl; R_c'' is H, alkyl, or silyl; Z is O or NH; each of m and n independently is 0 or 1; p is 0, 1, or 2; q is 1, 2, 3, or 4; and each of R_8 and R_9 independently is H, alkyl, aryl, heteroaryl, heterocyclyl, $-OR_d$, $-NR_dR_d'$, $-SR_d$, $-CN$, $-NO_2$, $-SO_2R_d$, $-C(O)OR_d$, $-C(O)NR_dR_d'$, $-NHC(O)R_d$, or $-NHC(O)OR_d$, in which each of R_d and R_d' independently is H or alkyl.

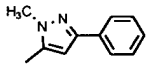
2. The compound of claim 1, wherein X is NH, and T is H.

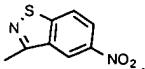
3. The compound of claim 2, wherein each of R_1 , R_2 , R_3 , and R_7 is H.

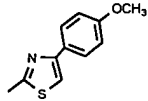
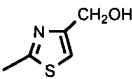
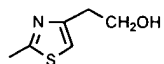
- 1 4. The compound of claim 3, wherein R₅ is H.
- 1 5. The compound of claim 3, wherein R₅ is P(O)(OH)₂.
- 1 6. The compound of claim 3, wherein each of R₄ and R₆ is methyl.
- 1 7. The compound of claim 6, wherein R₅ is H.
- 1 8. The compound of claim 7, wherein Y is 5-membered heteroaryl.


- 1 9. The compound of claim 8, wherein Y is .

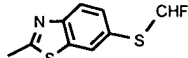
- 1 10. The compound of claim 8, wherein Y is 5-membered heteroaryl containing
2 two to four ring heteroatoms.

- 1 11. The compound of claim 10, wherein Y is .

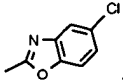
- 1 12. The compound of claim 10, wherein Y is .

- 1 13. The compound of claim 10, wherein Y is , , or
2 .

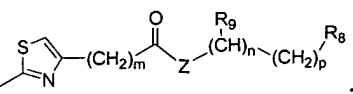
- 1 14. The compound of claim 10, wherein Y is .

- 1 15. The compound of claim 10, wherein Y is .

1

16. The compound of claim 10, wherein Y is .

1

17. The compound of claim 10 wherein Y is .

1

18. The compound of claim 17, wherein m is 1.

1

19. The compound of claim 18, wherein n is 0.

1

20. The compound of claim 19, wherein Z is O.

1

21. The compound of claim 18, wherein n is 1.

1

22. The compound of claim 21, wherein R₉ is C(O)OR_d.

1

23. The compound of claim 22, wherein Z is O.

1

24. The compound of claim 17, wherein m is 0.

1

25. The compound of claim 7, wherein Y is 5-membered heterocyclyl.

1

26. The compound of claim 2, wherein each of R₄ and R₆ is methyl.

1

27. The compound of claim 1, wherein X and T together are =N.

1

28. The compound of claim 27, wherein each of R₁, R₂, R₃, and R₇ is H.

1

29. The compound of claim 28, wherein each of R₄ and R₆ is methyl.

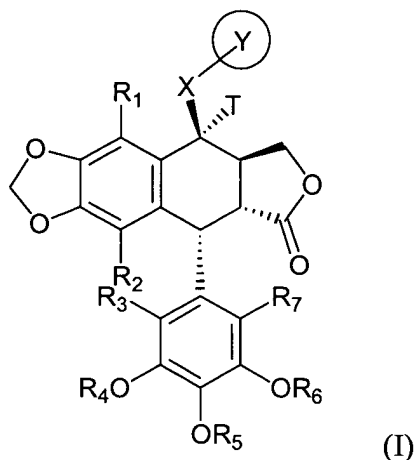
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30. The compound of claim 29, wherein R₅ is H.

31. The compound of claim 28, wherein R_5 is H.

32. The compound of claim 27, wherein each of R_4 and R_6 is methyl.

33. A method for treating cancer, comprising administering to a subject in need thereof an effective amount of a compound of formula (I):



wherein

each of R_1 , R_2 , R_3 and R_7 independently is H or alkyl;

each of R_4 and R_6 independently is alkyl;

R_5 is H or $P(O)(OR_a)_2$, in which R_a is H or alkyl;

T is H, or together with X is =N;

X is a bond, O, S, or NR_b , in which R_b is H or alkyl; or together with T, is =N; and

Y is 5-membered heteroaryl or heterocyclyl, optionally substituted with one or more of halogen, alkyl, cyclyl, aryl, heteroaryl, heterocyclyl, $-OR_c$, $-NR_cR_c'$, $-SR_c$, $-CN$, $-NO_2$, $-SO_2R_c$, $-C(O)OR_c$, $-C(O)NR_cR_c'$, $-NHC(O)R_c$, $-(CH_2)_qOPO_3H_2$,

$-CH_2C(O)NOR_c''$, and $(CH_2)_m-C(=O)-Z-(CH)_n^{R_9}-(CH_2)_p^{R_8}$; in which each of R_c and R_c' independently is H or alkyl; R_c'' is H, alkyl, or silyl; Z is O or NH; each of m and n independently is 0 or 1; p is 0, 1, or 2; q is 1, 2, 3, or 4; and each of R_8 and R_9 independently is H, alkyl, aryl, heteroaryl, heterocyclyl, $-OR_d$, $-NR_dR_d'$, $-SR_d$, $-CN$, $-NO_2$, $-SO_2R_d$, $-C(O)OR_d$, $-C(O)NR_dR_d'$, $-NHC(O)R_d$, or $-NHC(O)OR_d$, in which each of R_d and R_d' independently is H or alkyl.

34. The method of claim 33, wherein X is NH, and T is H.

35. The compound of claim 34, wherein each of R₄ and R₆ is methyl.

36. The compound of claim 34, wherein each of R₁, R₂, R₃, and R₇ is H.

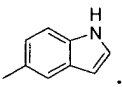
37. The compound of claim 36, wherein R₅ is H.

38. The compound of claim 36, wherein R₅ is P(O)(OH)₂.

39. The compound of claim 36, wherein each of R₄ and R₆ is methyl.

40. The compound of claim 39, wherein R₅ is H.

41. The compound of claim 40, wherein Y is 5-membered heteroaryl.

42. The compound of claim 41, wherein Y is .

43. The compound of claim 41, wherein Y is 5-membered heteroaryl containing two to four ring heteroatoms.

44. The method of claim 43, wherein Y is

